



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of  
Invention

DETECTION OF CHROMOSOMAL DISORDERS

Application Number: 10/840208



Confirmation Number: 7906

First Named Applicant: Soonkap Hahn

Attorney Docket Number: 81665/6776

Art Unit: ~~1645~~ 1637

Search string: ( 5213961 or 5639606 or 5643765 or 5716784  
or 5888740 or 5994057 or 6268147 or  
6551783 ).pn.


### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

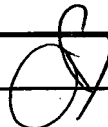
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	5213961	1993-05-25	Bunn et al.		435	6
<input type="checkbox"/>	2	5639606	1997-06-17	Willey		435	6
<input type="checkbox"/>	3	5643765	1997-07-01	Willey		435	91.2
<input type="checkbox"/>	4	5716784	1998-02-10	Di Cesare		435	6
<input type="checkbox"/>	5	5888740	1999-03-30	Han		435	6
<input type="checkbox"/>	6	5994057	1999-11-30	Mansfield		435	6
<input type="checkbox"/>	7	6268147	2001-07-31	Beattie et al.		435	6
<input checked="" type="checkbox"/>	8	6551783	2003-04-22	Carey		435	6

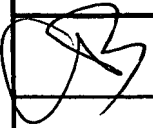
Signature

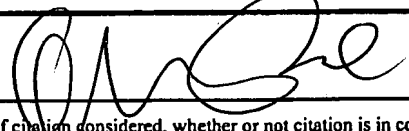
	Examiner Name	Date
		4/23/07

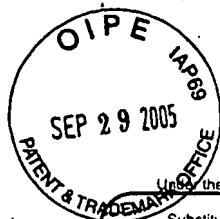
Form PTO-1449 (Modified)  <b>INFORMATION DISCLOSURE CITATIONS IN AN APPLICATION</b>    Sheet 1 of 1	Application No.	10/840,208
	Filing Date	May 5, 2004
	First Named Inventor	Soonkap Hahn
	Group Art Unit	1645 1637
	Examiner Name	TBD CM Babic
	Attorney Docket No.	81665/6776

U.S. PATENT DOCUMENTS									
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	U.S. PATENT DOCUMENT		NAME OF INVENTOR OR APPLICANT	DATE OF ISSUANCE OR PUBLICATION (MM-DD-YYYY)	CLASS	SUB CLASS	FILING DATE
			PATENT, PUB., OR APP. NO.	KIND CODE (if known)					
	AA								

FOREIGN PATENT DOCUMENTS										
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	FOREIGN PATENT DOCUMENT			DATE OF PUBLICATION (MM-DD-YYYY)	CLASS	SUB CLASS	TRANSLATION	
			COUNTRY OR OFFICE (two-letter code)	DOCUMENT NO.	KIND CODE (if known)				YES	NO
	BA		EP	0 639 647	A2	02/22/1995			x	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	CC		Norman Arnheim, et al., Special Report, "Polymerase Chain Reaction", October 1, 1990 C&EN, pgs. 36-47

Examiner Signature		Date Considered	4/23/07
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			



PTO/SB/08A (07-05)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/840,208
Filing Date	May 5, 2004
First Named Inventor	Zhiyi Xie
Art Unit	1645 1637
Examiner Name	Unknown CM Babic
Attorney Docket Number	81665/6776

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
OH	H	US- 5,888,740	03-30-1999	Jian Han	
		US-			
		US-			
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code* Number* Kind Code* (if known)				

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SignatureDate  
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4/23/07

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/840,208		
		Filing Date	May 5, 2004		
		First Named Inventor	Zhiyi Xie		
		Art Unit	1645 1637		
		Examiner Name	Unknown CM Babic		
Sheet	2	of	2	Attorney Docket Number	81665/6776

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
OS	A	RAHIL HAISSAM ET AL: "Rapid Detection of Common Autosomal Aneuploidies By Quantitative Fluorescent PCR on Uncultured Amniocytes", EUROPEAN JOURNAL OF HUMAN GENETICS: DJHG, Aug 2002, Vol 10, No 8, pp. 462-466, ISSN: 1018-4813	
	B	CHIZHIKOV V ET AL: "Microarray Analysis of Microbial Virulence Factors", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, Washington DC, Vol 67, No 7, July 2001, pp. 3258-3263, ISSN: 0099-2240	
	C	ZIMMERMANN B ET AL: "Novel Real-Time Quantitative PCR Test for Trisomy 21", CLINICAL CHEMISTRY, AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY, Vol 48, No 2, 2002, pp. 362-363, ISSN: 0009-9147	
	D	HIGUCHI R G ET AL: "Production of Single-Stranded DNA Templates By Exonuclease Digestion Following the Polymerase Chain Reaction", NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, Surrey, GV, Vol 17, No 19, 11 October 1989, page 5865, ISSN: 0305-1048	
	E	POLLACK J R ET AL: "Genome-Wide Analysis of DNA Copy-Number Changes Using cDNA Microarrays", NATURE GENETICS, NATURE AMERICA, NEW YORK, Vol 23, No 1, September 1999, pp. 41-48, ISSN: 1081-4038	
	F	WELLS DAGAN ET AL: "Cytogenetics in Reproductive Medicine: The Contribution of Comparative Genomic Hybridization (CGH)", BIOESSAYS: NEWS AND REVIEWS IN MOLECULAR, CELLULAR, AND DEVELOPMENTAL BIOLOGY, Vol 25, No 3, March 2003, pp. 289-300, ISSN: 0265-9247	
OS	G	ARMOUR J A L ET AL: "The Detection of Large Deletions or Duplications in Genomic DNA", HUMAN MUTATION, Nov. 2002, Vol 20, No 5, pp. 325-337, ISSN: 1098-1004	

Examiner Signature		Date Considered	4/23/07
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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